

## ABSTRACT OF THE INVENTION

The grayscale data for OLED pixels in an active matrix display is stored as digital data in static memory cells of the display. The digital data is provided to current drivers that produce a current level that is proportional to the digital data and deliver grayscale levels to the OLED. The display does not require refreshing and is written to only when the data for pixels has changed.

FOUO 280" 5TH E 660